

***In The Claims:***

Please amend the claims as set forth below.

1. (Currently Amended) An ergonomic lumbar support adapted for mounting within a seat having a seat cushion comprising:

at least two guide rods adapted to be internally mounted in a seat;

an archable pressure ~~surface~~ member having an upper end and a lower end, said upper end and said lower end of said archable pressure ~~surface~~ member being movably attached to said at least two guide rods and at least one of said upper end and said lower end being disposed to slide along said at least two guide rods and having an outer surface;

a traction element engaged to slide said at least one of said upper end and said lower end of said archable pressure surface along said at least two guide rods such that an arch forms in said archable pressure surface, said arch having an apex; and

a weight distribution ~~surface~~ member having an outer surface and an inner surface, said inner surface being fixed to said outer surface of said archable pressure surface member and said outer surface of said weight distributed member being disposed to face, and disposed between said archable pressure surface and the seat cushion.

2. (Original) The ergonomic support of Claim 1 wherein said ergonomic support is a lumbar support.

3. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution ~~surface~~ member is fixed to said archable pressure ~~surface~~ member substantially at said apex.

4. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is fixed to said archable pressure surface member along only one line.
5. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is fixed only along a medial line about at said apex of said archable pressure surface member.
6. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is plastic.
7. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is metal.
8. (Currently Amended) The ergonomic support of Claim 1 wherein at least one end of said weight distribution surface member is free.
9. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is ribbed.
10. (Original) The ergonomic support of Claim 1 wherein said weight distribution surface has holes.
11. (Original) The ergonomic support of Claim 1 wherein said weight distribution surface member is flexible.
12. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is curvilinear.
13. (Currently Amended) The ergonomic support of Claim 1 wherein said weight distribution surface member is tapered towards an upper edge and tapered toward a lower edge of said weight distribution surface.

14. (Currently Amended) A method of lumbar ~~support~~ weight distribution within a seat having a seat cushion comprising:

mounting an archable pressure ~~surface~~ member to a at least two guide rods at an upper end and a lower end of said archable pressure ~~surface~~ member, said at least two guide rods being adapted to be internally mounted in a seat;

engaging a traction element with said archable pressure ~~surface~~ member such that at least one of said upper end and said lower end of said archable pressure ~~surface~~ member, travels along said at least two guide rods to selectively arch said archable pressure ~~surface~~ member;

fixing an inner surface of a weight distribution ~~surface~~ member to an outer surface of said archable pressure ~~surface~~ member such that an outer surface of said weight distribution member faces the seat cushion.

15. (Original) The method of Claim 14 wherein said ergonomic support is a lumbar support.

16. (Currently Amended) The method of Claim 14 wherein said weight distribution ~~surface~~ member is fixed to said archable pressure ~~surface~~ member substantially at an apex of said arch in said archable pressure ~~surface~~ member.

17. (Currently Amended) The method of Claim 14 wherein said weight distribution ~~surface~~ is fixed to said archable pressure ~~surface~~ member along only one line.

18. (Currently Amended) The method of Claim 14 wherein said weight distribution ~~surface~~ member is fixed only along a medial line about at said apex of said archable pressure ~~surface~~ member.

19. (Currently Amended) The method of Claim 14 wherein said weight distribution surface member is plastic.

20. (Currently Amended) The method of Claim 14 wherein said weight distribution surface member is metal.

21. (Currently Amended) The method of Claim 14 wherein at least one end of said weight distribution surface member is free.

22. (Currently Amended) The method of Claim 14 wherein said weight distribution surface member is ribbed.

23. (Currently Amended) A method of retrofitting a weight distribution device to a lumbar support device within a seat having a seat cushion comprising:

fixing an inner surface of a weight distribution surface member to an outer surface of an archable pressure ~~surface facing the seat cushion~~ member; and

disposing an outer surface of said weight distribution member towards the seat cushion.

24. (Currently Amended) An ergonomic lumbar support adapted for mounting in a seat having a seat cushion comprising:

at least two guide rods rail adapted to be internally mounted in a seat;

an archable pressure surface member having an upper end and a lower end,

means for movably attaching said upper end and said lower end of said archable pressure surface member to said at least two guide rods such that at least one of said upper end and said lower end of said archable pressure surface slide along said at least two guide rods;

a traction ~~means~~ device to slide said at least one of said upper end and said lower end of said archable pressure surface along said at least two guide rods such that an arch forms in said archable pressure surface, said arch having an apex;

a weight distribution ~~surface~~ member between said archable pressure surface and the seat cushion; and

an attachment of an inside face of ~~means to fix~~ said weight distribution ~~surface~~ member to an outside face of said archable pressure ~~surface~~ member.

25. (Currently Amended) The ergonomic support of claim 1 wherein said archable pressure ~~surface~~ member is mounted to each of said at least two guide rods lateral to a vertical midline.

26. (Currently Amended) The ergonomic support of claim 1 wherein said distribution ~~surface~~ member is substantially as wide as said archable pressure surface.

27. (Currently Amended) The ergonomic support of claim 1 wherein said weight distribution ~~surface~~ member is substantially as high as said archable pressure surface.

28. (Previously Presented) The ergonomic support of claim 1 further comprising a seat on which said at least two guide rods are mounted.

29. (Previously Presented) The ergonomic support of claim 1 wherein said traction element is a Bowden cable.

30. (Currently Amended) The ergonomic support of claim 1 wherein said traction element is actuated by an actuator remote from said guide rods, said archable pressure ~~surface~~ member and said weight distribution ~~surface~~ member.

31. (Previously Presented) The ergonomic support of claim 1 wherein said traction element is actuated by an actuator mounted on a frame of the seat in which said ergonomic support is mounted.

32. (Previously Presented) The ergonomic support of claim 1 wherein said traction element is actuated by an electric motor.